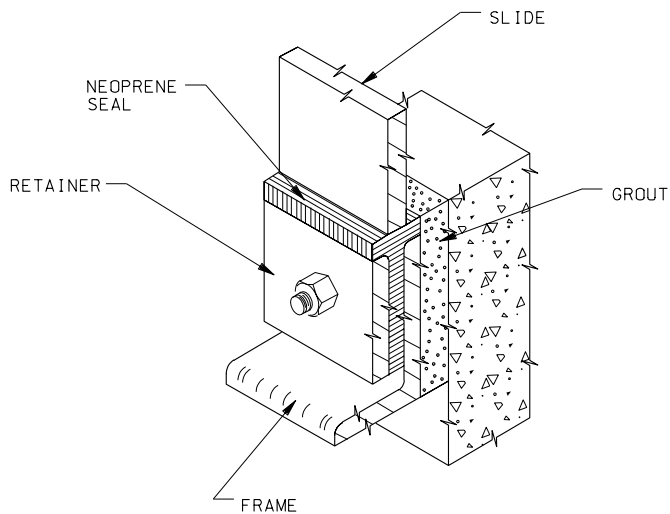
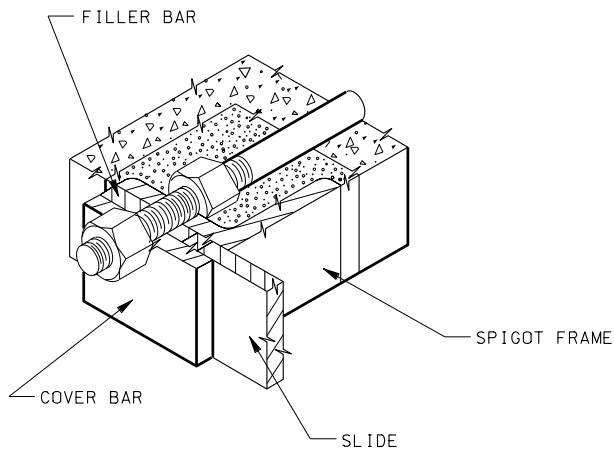


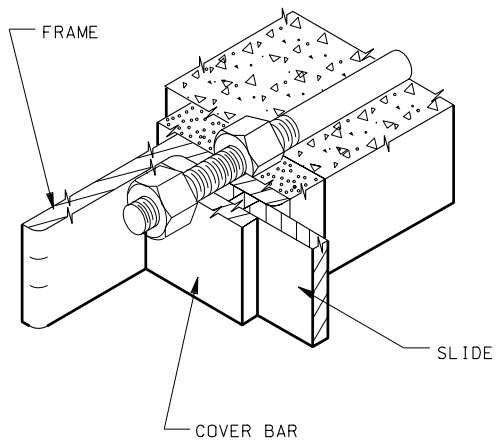
15-DEC-2004 DGN: F:\et\N\et\Standard Drawings\Imperial\2005\Approved\Grates Frames and Trash Racks (GF)\gf07.dgn



FLUSH BOTTOM CLOSURE



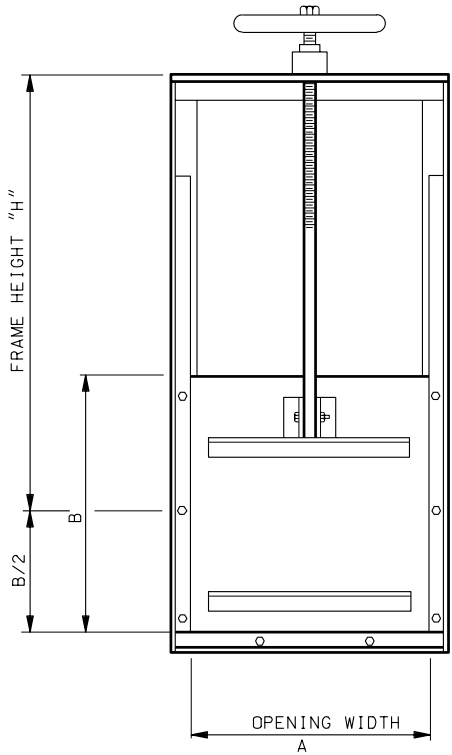
SPIGOT BACK MOUNTING



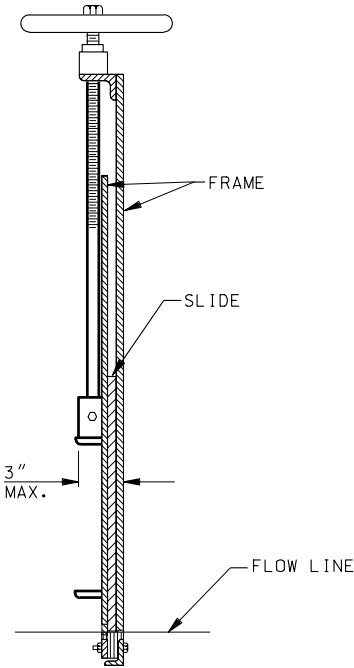
FLAT BACK MOUNTING

STANDARD SCREW GATE SIZES FOR 5 FEET OF HEAD OR LESS												
A (INCH)	12	15	18	21	24	30	36	42	48	54	60	72
B (INCH)	12	12	12	21	12	18	24	24	24	30	30	36
	15	15	18		18	24	30	30	30	36	36	42
	18	18	24		24	30	36	36	36	42	42	48
	24	24	30		30	36	42	42	42	48	48	54
		30	36		36	42	48	48	48	54	54	60
					42	48	54	54	54	60	60	72
					48		60	72	60	72	72	
								72				

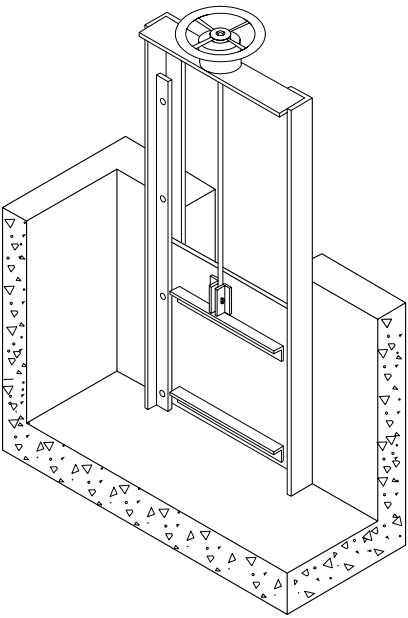
\* FRAME HEIGHTS ARE AVAILABLE IN 1 FOOT INCREMENTS UP TO 10 FEET.  
\* OPENING SIZE : A X B



FRONT ELEVATION



SECTION THRU



ISOMETRIC VIEW

- NOTES:**
1. DESIGN SCREW GATES AND FRAMES FOR A MINIMUM FACE PRESSURE EQUAL TO 5 FEET OF HEAD ABOVE THE GATE OPENING AND ZERO BACK PRESSURE. SCREW GATES ARE INTENDED FOR A MAXIMUM OPENING SIZE OF 6 FT.X 6 FT.
  2. CONSTRUCT SCREW GATE AND FRAME WITH CARBON STEEL CONFORMING TO AASHTO DESIGNATION M 183, GRADE 36. OPTIONAL GALVANIZING IN ACCORDANCE WITH AASHTO SPECIFICATION M 111.
  3. MOUNT FRAME USING EITHER FLAT BACK OR SPIGOT BACK DETAILS DEPENDING ON CONDITIONS.
  4. SUBMIT, IN ALL CASES, SHOP DRAWINGS FOR APPROVAL. SIMILAR SCREW GATES AND FRAMES CAN BE USED SUBJECT TO THE APPROVAL OF SHOP DRAWINGS.
  5. SEE MANUFACTURES DETAILS FOR FRAME SIZES, AND PLACEMENT OF MOUNTING BOLTS.
- DESIGN DATA**
- STRUCTURAL STEEL:  $f_s = 20,000$  PSI  
DESIGN SEATING HEAD : 0-5 FT.

UTAH DEPARTMENT OF TRANSPORTATION		STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION		REVISIONS	
RECOMMENDED FOR APPROVAL		DATE		APPR.	
CHAIRMAN STANDARDS COMMITTEE		JAN.01.2005		DATE	
DEPUTY DIRECTOR		JAN.01.2005		DATE	
STANDARD SCREW GATE AND FRAME		STANDARD DRAWING TITLE		REMARKS	
STD DWG		GF 7			